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SUBTOTOL 24804 LB
TOTAL 24807 LB
WORLD ALSONESES CG.
10:04 AM 09/26/94
0 10

WORLD RESOURCES COMPANY

8113 WEST SHERMAN STREET / PHOENIX, ARIZONA 85043 / (602) 233-9166

SEP 2 8 1994

Mr. Gerald A. Thompson Alaskan Copper Works 628 South Hanford Street Seattle, Washington 98134

Dear Mr. Thompson:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of the recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY

Manifest Coordinator

Enclosures

UI	NIFORM HAZARDOUS WASTE MANIFEST	The second contract of		nifest cument No. 4.0.0.		age 1			n the shaded area d by Federal law.
	erator's Name and Mailing Address ALASKAN COPP 3200 Sixth Aven erator's Phone (206)		Seattle WA 9813	4			anifest Do		t Number
5. Trans	sporter 1 Company Name ALL WASTE INC sporter 2 Company Name	53-3001	6. US EPA ID Numb C.A.D.9.8.0.5.8. 8. US EPA ID Numb	4,5,1,0	D. T E. S	ranspo tate Tr	ransporter orter's Pho ansporter orter's Pho	one (60 's ID	Contract to the contract of th
9. Desig	gnated Facility Name and Site Addre World Resource 8113 West Sher Phoenix, Arizon	s Company man Street	10. US EPA ID Numb		G. S	tate Fa	acility's ID s Phone (602) 2		166
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b.	RQ, Hazardous (F006), 9, NA3		lid, n.o.s.,	0 0 4	C F	0 5	1 4 2	P	F006
	ional Descriptions for Materials List	ed Above			K. Ha	L , l , indling	Codes fo	r Waste	es Listed Above
J. Additi	. # M36357 cial Handling Instructions and Addit	ional Information	RGENCY RESPONSE:) 424.	<i>∕</i>), -930	/ O CH	EMTR	EC
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ORIGINAL-RETURN TO GENERATOR

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

3. Generator's Name and Milling Address ALAS -AN COPPER WORKS 3200 Sixth Avenue South Seettle WA 98134 4. Generator's Phone (206) 623-5801 5. Transporter 1 Company Name 6. US EPA ID Number C. State Transporter Phone (206) 7. Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's Phone (206) 8. US EPA ID Number (206) 9. Designated Facility Name and Site Address (306) 10. US EPA ID Number (307	s ID (21007) one (602) 233–9871 r/s ID one 0) 233–9166 14. Unit Waste No.
ALASS-AN COPPER WORKS 3200 Sixth Avenue South 4. Generator's Phone (206) 623-5891 5. Transporter 1 Company Name ALL WASTE INC 7. Transporter 2 Company Name ALL WASTE INC 9. Designated Facility Name and Site Address World Resources Company 8. US EPAID Number F. Transporter's Phone 9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Phoenix, Arizona 85043 10. US EPAID Number G. State Facility's II H. Facility's Phone Phoenix, Arizona 85043 A. Z. D. 9. 8. 0. 7. 3. 5. 5. 9. 9 (602) 2 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) RQ, Razardous waste, solid, n.o.s., (D007), 9, NA3077, III D. RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III C. D. State Transporter F. Transporter's Phone F. Tran	s ID 421007 one (602) 233–9871 r/s ID one 0 233–9166 14. Unit Waste No.
All WASTE INC 7. Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's Ph 9. Designated Facility Name and Site Address World Resources Company 8113 West 3herman Street Phoenix, Arizona 85043 Inc. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III D. Transporter's Ph E. State Transporter's Ph F. Transporter's Ph F	one (602) 233–9871 ors ID one) 233–9166 14. Unit Waste No.
7. Transporter 2 Company Name 8. US EPA ID Number F. Transporter's Ph 9. Designated Facility Name and Site Address World Resources Company 8113 West 3herman Street Phoenix, Arizona 85043 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) RQ, Razardous waste, solid, n.o.s., (D307), 9, NA3077, III D. 2. D. M. 2. 6. 4. 0. 0 RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III C.	233-9166 14. Unit Waste No.
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15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: 1-(800) 424-9300 CH (USE CHEMTREC CONFANY CODE "WORR") WEAR GOGGLE 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by	
proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the deconomically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me who future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize method that is available to me and that I can afford. Printed/Typed Name Signature	ich minimizes the present and
Gerald A. Thompson	D B B B B B A
17. Transporter 1 Acknowledgement of Receipt of Materials	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Signature	Month Day Year
Printed/Typed Name Signature	Month Day Year
19. Discrepancy Indication Space	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Printed/Typed Name Signature	

Style CF17-6 LABELMASTER, AN AMERICAN LABELMARK CO., CHICAGO, IL 60646 (800)621-5808

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete



GENERATOR COPY



Recyclable Material

	Conta	iner			Waste
US DOT Description	No.	Туре	Quantity	Unit	No.
RQ, Hazardous waste, solid, nos (D007), 9, NA3077, III	22	DM	26400	P	D007
RQ, Hazardous waste, solid, nos (F006), 9, NA3077, III	4	Œ	5142	P	F006
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			•		
		Total mantity	31,542	A 41 3 3 7	

MATERIAL IDENTIFICATION

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (D007)

DOT HAZARD CLASS: UN OR NA NUMBER: Class 9 NA 3077 1990 EMERGENCY RESPONSE GUIDE

DOT EMERGENCY RESPONSE GUIDE 31

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these material may burn, but none of them ignites readily.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighters,s protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE. (Use Chemtrec Company Code "WORR") If water pollution occurs, notify the appropriate authorities.

FIRE

Small Fires: Dry chemical, CO2, Halon, water spray or standard foam.

Large fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire control water for later disposal.

SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover, move containers from spill area.

Small spill: Take up with sand or other noncombustible absorbent material and place into containers for disposal.

Large Spills: Dike far ahead of liquid spill for later disdosal.

Cover powder spill wiuth plastic sheet or tarp to minimizing spreaing.

FIRST AID

In case of contact with material, immediatly flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

NOTE: If this response guide is us	sed as an attachmer	nt for shippin	g documents, ente	r shipping
manifest number in block below.		V-100-10-10-10-10-10-10-10-10-10-10-10-10		
	WAD980738546	94005		

(Shipping Manifest Number)

MATERIAL IDENTIFICATION

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (F006)

DOT HAZARD CLASS: UN OR NA NUMBER: Class 9 NA 3077 1990 EMERGENCY RESPONSE GUIDE

DOT EMERGENCY RESPONSE GUIDE 31

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NOTE: If this response guide is	used as an attachment for shipping documents, e	nter shipping
manifest number in block below.		
	WAD98073854694005	
	(Shipping Manifest Number)	

NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number:	94005	
	1 1 1 2 2 2 2 2	
Date of Shipment:	9-22-94	

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	Regulated	Subcategory	Treatability	Treatmer	it Standards
Number	Constituent	****	Group	CFR Reference	Prohibition Level
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	
				85 MY	

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant

NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

94005	
bara 18 se	
9-22-94	
	Se ca 15 se

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EPA Material	Regulated	Subcategory	Treatability	Treatmer	nt Standards
Number	Constituent		Group	CFR Reference	Prohibition Level
D007	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90 Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of emergencies during shipping that Involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use Chemtrec Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

Section 1

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge DOT Shipping Name: RQ, Hazardous waste, solid, n.o.s., (F006)

Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake

PRODUCT - MATERIAL IDENTIFICATION

DOT Hazard Class: 9 Packaging Group III DOT Identification Number: NA 3077 **DOT Emergency Response Guide 31 Applies**

Section 2 Ingredient: CAS Number: Copper Hydroxide 20427-59-2

12054-48-7 Nickel Hydroxide 1305-62-0 Calcium Hydroxide 68855-54-9 Diatomaceous Earth

0-15 0-15 0-10

Content %:

0-30

1.0 mg/m3 (Dust) 5.0 mg/mg (Dust) 6.0 mg/m3 (Dust)

ACGIH-TLV

1.0 mg/m3 (Dust)

LD-50 1,500 mg/kg LD-50 7,340 mg/kg LD-50 3,160 mg/kg

Toxicology: (rat, oral)

LD-50 1,000 ma/ka

Section 3

Description: Solid, Clay-like Clumps,

Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 1 to 1.4 Solubility: Insoluble in water Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant Stability: Avoid contact with acids Polymerization: Will not occur

PHYSICAL AND REACTIVITY DATA

Boiling Point: Above 2600°C Melting Point: Above 1800°C pH: 7.0 to 10.0

FIRE AND EXPLOSION DATA

HAZARDOUS INGREDIENTS

Odor: Nil

Section 4

Oxidation: Non-oxidizing Flashpoint: Nonflammable

Special Firefighting Procedures: None Product Decomposition. . . . (Due to Fire or Explosion): None

Explosive: Non-explosive

NFPA Fire Diamond



TOXICITY

Section 5

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID

Section 6

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms,

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconcious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems-blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The squipment should include eye protection, respirator and

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required.

CONTROL MEASURES

Eye Protection: Safety Glasses recommended. Rand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions this MSDS is provided solely for informational purposes. The best of my knowledge this MSDS describes the have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the preparation of the data contained for this recyclable material. recyclable material listed on the attached Manifest Number: 94000 Norks Telephone: sixth south

Company Name and Address: 34

AZF-WRC 9/93

Material Safety Data Sheet

Synonym: Metallic Residues From High Frequency Burning Table

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tel: 1-602-233-9166 Fax: 602-936-9164

Issued: 3/18/94

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use CHEMTREC Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

HAZARDOUS INGREDIENTS

Section 1

Environmental Protection Agency (EPA) Waste Classification: D007

PRODUCT - MATERIAL IDENTIFICATION

DOT Shipping Name: RQ, Hazardous Waste, Solid, n.o.s. (D007) DOT Hazard Class: 9; Packing Group: III **DOT Identification Number: NA 3077**

DOT Emergency Response Guide 31 Applies

Section 2

ingredient:	CAS Number:
Aluminum	7429-90-5
Chromium	7440-47-3
Copper	7440-50-8
Nickel	7440-02-0

Generic Name: Chromium metal bearing sludge

Chemical Family: Non-Ferrous metal particulates

429-90-5	0-5
440-47-3	0-15
440-50-8	0-10
440-02-0	0-10
440-66-6	0-5
s no en l'approprie d'arrege	First on Albert And States of the

ACGIH-TLV 10 mg/m 3 0.5 mg/m 3 1.0 mg/m 3 1.0 mg/m 3 none established

Toxicology: No Data Available 2.75 mg/kg (Rat, Oral) 0.35 mg/kg (Mouse, Oral) No Data Available No Data Available

Section 3

Zinc

Description: Moist, Sandy consistency Brown to Black colored

Water Content 10-20% by weight

Specific Gravity: 2.0 to 3.0 Solubility: Insoluble in water

PHYSICAL AND REACTIVITY DATA

Density: 100 to 150 lbs/cu/ft

Incompatible Reactivity: Extreme heat sources,

Oxidants

Vapor Pressure: Insignificant Stability: Avoid contact with acids, extreme heat

Content %

Boiling Point: Above 2000°C Melting Point: Above 1000°C pH: 7.0 to 10.0

Polymerization: Will not occur

Odor: Nil

Section 4

Flashpoint: Nonflammable, under normal conditions

Special Firefighting Procedures: Dry Chemical

Oxidation: Non-oxidizing

Explosive: Non-explosive Product Decomposition. . . . (Due to Fire or Explosion): Hydrogen gas, ZnO (under extreme external heat) Fire Diamond



Listed Carcinogen component: Chromium, Nickel Toxicology: See Sec. 2 (Chromium, Nickel) Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems----blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES Eye Protection: Safety Glasses recommended.

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required.

Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 94005 Telephone: Company Name and Address: Alaskan Copper Works 628 Hanford st. Seattle Wa 98134 Company Name and Address:

Signature:

AZF-WRC 3/94